Tomasz Dubiel

Site Reliability Engineer

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Site Reliability Engineer with a background in Kubernetes, observability, and data pipelines feeding data warehouses. I like getting to the bottom of difficult production problems and making systems easier for people to run.

Experience

Shopify / Enterprise Site Reliability Engineer

Commerce platform that helps merchants run their businesses and sell online and in person.

FEBRUARY 2023 – PRESENT · Data Reliability Engineer: November 2021 – February 2023

Support Shopify's largest merchants through incident command, production investigations, and flash-sale capacity planning. Work with engineering teams to address recurring production problems. Previously worked on data pipelines feeding Shopify's data warehouse in the Data Reliability Engineering team.

Used patterns from months of production incidents to guide two improvements:

- Automated database capacity management across the storefront fleet to handle flash-sale demand and release excess capacity afterward
- Developed adaptive rate limiting for the Admin GraphQL API to protect checkout and storefront availability during database overload

Technologies: Ruby, MySQL, Google Kubernetes Engine (GKE)

Foko Retail / DevOps Engineer

Retail operations software that helps store teams coordinate work.

NOVEMBER 2020 – NOVEMBER 2021 · Acquired by Workforce Software

- Introduced distributed tracing with OpenTelemetry, reducing production issue diagnosis from hours to minutes
- Automated capacity scaling during an AWS-to-GCP migration, replacing manual adjustments with data-driven policies
- Built an analytics pipeline that let Customer Success generate reports without engineering support

Technologies: GCP, AWS, Kubernetes, Terraform, OpenTelemetry, Argo CD, BigQuery

Micro Focus / Data Engineer

Enterprise software company that acquired Interset, a machine-learning security analytics platform.

AUGUST 2017 – OCTOBER 2020 · Combined tenure at Interset and Micro Focus

- Designed Kubernetes deployments for Interset's data infrastructure
- Led the team delivering the first integration of Interset's analytics engine with HPE ArcSight
- Developed data integrity tests that uncovered critical reliability issues and helped resolve them
- Delivered technical training on Spark and Vertica on Kubernetes, and explained ML applications to cross-functional teams

Technologies: Kubernetes, Docker, AWS, Kafka, Vertica, ArcSight CDF, SaltStack

Interset / Data Engineer

Security analytics software that uses machine learning to identify unusual activity.

AUGUST 2017 – FEBRUARY 2019 · Acquired by Micro Focus

- Productionized machine learning models in Scala and Apache Spark in collaboration with data scientists
- Investigated production performance problems in Spark and HBase, identifying configuration issues
- Optimized SQL queries, reducing run times by up to 60%
- Built Vertica integrations and worked with customer-facing teams on critical escalations
- Mentored co-op students through project planning and delivery, and led workshops on development tools

Technologies: Scala, Java, Spark, HBase, Kafka, Vertica, Elasticsearch, Docker, Jenkins

Rizn.IO / Co-Founder

Startup developing decision-support software using probabilistic reasoning and expert input.

APRIL 2016 – AUGUST 2017

- Developed the backend in Python and Django and the frontend in Angular and TypeScript
- Delivered product demonstrations and answered technical questions from prospective customers and investors

Technologies: Python, Django REST Framework, Angular, TypeScript, Celery, RabbitMQ, PostgreSQL

MicroMetrics / Data Science Intern

Customer experience analytics software built around survey feedback.

MARCH 2015 – OCTOBER 2015

- Analyzed survey data and developed algorithms to detect abuse and protect data quality
- Used sentiment analysis to identify customer experience insights

Technologies: Python

Education

Bachelor of Mathematics, Carleton University — 2014

Outside Engineering

The Moonroom — Barback · June 2014 – July 2017

Built the bar's ice program, repurposing freezers and water pumps to make a block ice machine.